Whiting	ResponseToQuestions												
ENCLOSURE 5	REQUEST # >>>		-	Ι					T			-	(a)
Oil and Natural Gas Well Name(s)	Does this We send Produce Oil to a well pad that also receives Produced Oi from one or more other Wells.	other Wells that send Produced Oil to the well pad, and indicate for pad that	at the well pad, create a new row	potential for VOC Emissions (in tons per year)	otorage rank, and the method by	Specify the generally accepted model or calculation methodology that was used to calculate potential for VOC emissions based on the maximum average daily throughput determined for a 30-day period of production prior to the applicable determination deadline	identified in response to Question 4.c, provide an	practically enforceable limits that were taken into account in the determination of potential for VOC	Tank Vapor Capture System & Control Device prior to or after	was the date the analysis	Supply all Documents supporting the design analysis of each Tank Vapo Capture System and Contro Device [list the filenames if provided electronically or an Attachment name identifier if hard copy]	Piping & instrumentation diagram of the process	If more than one Produ Oil Storage Tank is pre within a Tank Vapor Capture System, desci how Produced Oil flow between the storage ta
SMITH FEDERAL 44-12PH SKUNK CREEK 1-8-17-15H URAN FEDERAL 22-24H SMITH FEDERAL 41-13PH TARPON FEDERAL 41-13PH TARPON FEDERAL 44-19-2RH MOCCASIN CREEK 14-33-28-3HS ROGGENBUCK 11-25-3H TARPON FEDERAL 44-19-1RTF TARPON FEDERAL 44-19-1RTF TARPON FEDERAL 44-19-1RH KOALA 4-4-28-3H3 URAN FEDERAL 21-24H ROGGENBUCK 11-25-2H HANSEN 44-28-3H3 URAN FEDERAL 21-24H ROGGENBUCK 11-25-2H HANSEN 44-28-3H7 DAM STATE 155-99-4-16-21-14H ARVO 12-33TFH TARPON FEDERAL 44-19-3RTF KOCH 34-19PH TARPON FEDERAL 44-19-2RTF CHARGING EAGLE 10-14-11-2H CYMBALUK FEDERAL 41-15PH PRONGHORN FEDERAL 41-15PH PRONGHORN FEDERAL 14-12PH TARPON FEDERAL 24-20-1H TIMBER CREEK 21-27-3H CURTIS MOEN 41-26-3H BERGSTROM 11-13H FLATLAND FEDERAL 11-4TFHU P DAM STATE 155-99-4-16-21-13H3 BREHM 12-27-2H PLATLAND FEDERAL 11-4THR P THOMAS 154-98-16-33-28-1H MOCCASIN CREEK 14-33-28-4H3 CHARGING EAGLE 10-14-11-3H3 PRONGHORN FEDERAL 11-13H3 PRONGHORN FEDERAL 11-13H7 BREMS 13-498-16-33-28-1H MOCCASIN CREEK 14-33-28-4H3 CHARGING EAGLE 10-14-11-3H3 PRONGHORN FEDERAL 11-13PH SMOKEY 4-15-22-14H WALDOCK FEDERAL 11-13PH SMOKEY 4-15-22-14H WALDOCK FEDERAL 11-13H7 HWALDOCK FEDERAL 11-13H7 HWALDOC	28056 30599 29023 28055 22556 225587 25584 30572 22554 27413 29199 27410 28770 30570 28645 28542 30292 29200 28674 22555 25292 29086 27692 28492 30753 29914 29350 27522 28540 28495 28539 29987 27521 28499 25588 30390 27691 25361 27231 29352 30510 22360 29340 25331 29809 27284 29197 27287 30466 29495 29071 27408 30631 28541 25932 25293 30273 28647 25163 29815 29198 18518 28494 27947 20257 30119 30447 25849 29341 28222 29884 28497 29913 277710 23423 29073 28221 26434 30598 27409 27832 28043 29073 28221 26434 30598 27409 27832 29043 29043 29043 29043 29073 28221 26434 30598 27409 27832 29043 29073 28221 26434 30598 27409 27832 29073 28647 2913 277710 23423 29073 28221 26434 30598 27409 27832 29043 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 26434 30598 27409 27833 29073 28221 29043 29043 29043 29043 29043 29043 29043 29043 29043 29043 29043 29043 29043 29043 29044 28497 29913 277710 23423 29073 28221 26434 30598 27409 27833 2939 30321												

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3		6(b)			6(c)		6(d)	6(d)(i)	6(d)(ii)	6(d)(iii)	6(d)(iv)		6(d)(v)	6(e)	6(e)(i)	6(e)(ii)	6(f)(i)	6(f)(ii)
					Provide a narrative													Produced Water outlet
	dentify the gas	What is t	he maximum	Where heater treater	description of how the production from the upstream Wells is set to	State whether more than	Provide a description, name and tag # ID of the initial	1st Stage - Maximum	1st Stage - Describe		n 2nd Stage - describe	Does the final separator stage feature a device on the liquid	е	Is there an intermediate Pressure Vessel(s) between the	Intermediate separation vessel -	Describe where Flash	diameter from the	pipe interior diameter from the separation
	pathering pipeline in which the Tank Batte ocation enters.	pipeline?	of that	are used, indicate th maximum recycle ra that may occur for	flow to the initial Pressure Vessel(s) (e.g.	initial separator	separator(s) (e.g. single	operating pressure and temperature. [psig and °F]	where any separated gas is routed from the initial Pressure Vessel.	operating pressure and temperature. [psig and °F] applicable]	from this stage is [If routed.	outlet line to prevent a	If yes, provide a narrative description.	initial separator and the Produced Water and Produced Oil	pressure and temperature.	Emissions from the intermediate separation vessel(s) are routed.	immediately upstream of the Produced Water	vessel immediately upstream of the Produced Water and
	Name of P/L(s)]	[psig]		each treater.	on time, pressure, other parameter(s) or a combination of these).	Well or Wells.	HLP, VGR, etc.).			applicable	[If applicable]	event? [Yes or No]		Storage Tank(s)? [Yes or No]	[psig and °F] [l'applicable]	f [[f applicable]	Storage Tank(s). [inches]	Produced Oil Storage Tank(s). [inches]
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2 3 <b>6(g)(i)</b>	6(g)(ii)	6(h)(i)	6(h)(ii)	6(i)	6(i)(i)	6(j)(i)	6(j)(ii)	6(j)(iii)	6(j)	(iv)	6(j)(v)	6(k)(i)	6(k)(ii)	6(I)	6(m)(i)
separation vessel immediately upstrea of the Produced Wat and Produced Oil Storage Tank(s). [inches]	diameter and make, model, size and trim of the liquid dump valve from the separation		Describe whether the Produced Water is trucked or piped offsite from the Produced Water and Produced Oil Storage	Is the control system and dump valve managing the flow of liquids from the Pressure Vessel immediately upstream of the Produced Water and Produced Oil Storage Tank(s) results in continuous or is in intermittent dumping events?	operating parameters,	If intermittent batches, what triggers a liquid dumping event?	Produced Oil volume of the separation vessel immediately upstream of the Produced Oil Storage Tank(s).	volume of the separation vessel during an	Average daily Oil production during July 2015. Exclude any duration the Well	Instantaneous flow rate of Oil during dump event from the separator to the Produced	Produced Muction Mucti	pump rate of the Produced Oil from the separator to the Produced Oil Storage Tank(s).  [gallons/minu]	Water from the separator to the Produced Water Storage	For each Tank Vapor Capture System, provide the number of Produced Water and Produced Oil Storage Tank(s) and their volume. [# and barrels]	
4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20         21         22         23         24         25         26         27         28         29         30         31         32         33         34         45         46         47         48         49         50         51         52         53         54         57         58         59         60         61         62         63         64         67         78         78         88         89         90      <															

BB 1	ВС	BD	BE	BF	BG	ВН	ВІ	ВЈ	ВК	BL	BM	BN	ВО	ВР	BQ	BR	BS	ВТ
2	6(m)(ii)		6(m)(iii)	6(m)(iv)		6(m)(v)		6(m)(vi)	6(m)(vii)	6(m)(viii)	6(m)(ix)	6(m)(x)		6(m)(xi)		6(m)(xii)		6(m)(xiii)
additional features	Provide either its Cv and Cf values or its performance curve.	electronically or an Attachment	Thief hatch gasket/seal information, including the type of gasket/seal used (e.g. rubber,	Pipe length from the Produced Water and Produced Oil Storage Tank(s) to the Control Device (if the Tank Vapor Capture System collects vapor from multiple tanks, use the average pipe length for all the Produced Water and Produced Oil Storage	Capture System from the Produced Water and Produced Oil Storage Tank(s) to	Note any changes in inner pipe diameter that may have occurred, include the origina and modified	Note any changes in inner pipe diameter that may have occurred, include the date(s) when changed.	Number of short radius elbows (short radius	Number of long radius elbows (long radius elbows have a	Number of tee's		Rated pressure loss across the combustor (combustion device) burner assembly as provided by the manufacturer of the	points in the Tank Vapor Collection System piping where liquids		Operator that liquids must be drained or that excessive flow	Set-point pressure and maximum flow capacity of any backpressure valves installed on the Tank Vapor Capture System.	Flame arrestor information including make, model, size and performance curve showing the pressure loss as a function of the flow rate [list the filenames if provided electronically or an Attachment name identifie	Indicate the maximum tolerance for arrestor fouling considered in the Tank Vapor Capture System design, and describe the indicator if any that notifies the
## Affecting its flow capacity    4				Device). [feet]											piping.		if hard copy]	Control Device are intermittent)

1	BU	BV	BW	ВХ	ВУ	BZ	CA	СВ	СС	CD	CE	CF
2 3	6(m)(xiv)		6(n)		6(n)(i)	6(n)(ii)	6(n)(iii)	6(o)	7(	(a)	7(k	p)
	Whiting employs to ensure emissions are minimized from the Produced Water and Produced Oil Storage Tank(s) and Tank Vapor Capture System(s) / thief hatch(es) / pressure relief valve(s), and the frequency of such.  [list the filenames if provided electronically or an Attachment name	Combustor, VRU, etc.) from the		during the relevant time period must be listed with the corresponding	electronically or an Attachment	The combustor manufacturer recommended maintenance and service requirements. [list the filenames if provided electronically or an Attachment name identifier if hard copy]	servicing Whiting performs on the combustor(s) and the frequency of such. [list the filenames if	construction date of the Produced Water and Produced Oil Storage Tank(s) associated with	hydrocarbon liquid analysis of a pressurized Produced Oil sample from the Pressure Vessel immediately upstream of the Produced Oil Storage	Filename of extended hydrocarbon liquid analysis of a pressurized Produced Water sample from the Pressure Vessel immediately upstream of the Produced Water Storage Tank(s). [filename]	API Gravity of Produced Oil in the Produced Oil Storage Tank(s).	Reid Vapor Pressure of Produced Oil in the Produced Oil Storage Tank(s). [psia]
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101 102 103 104												